Fig.1

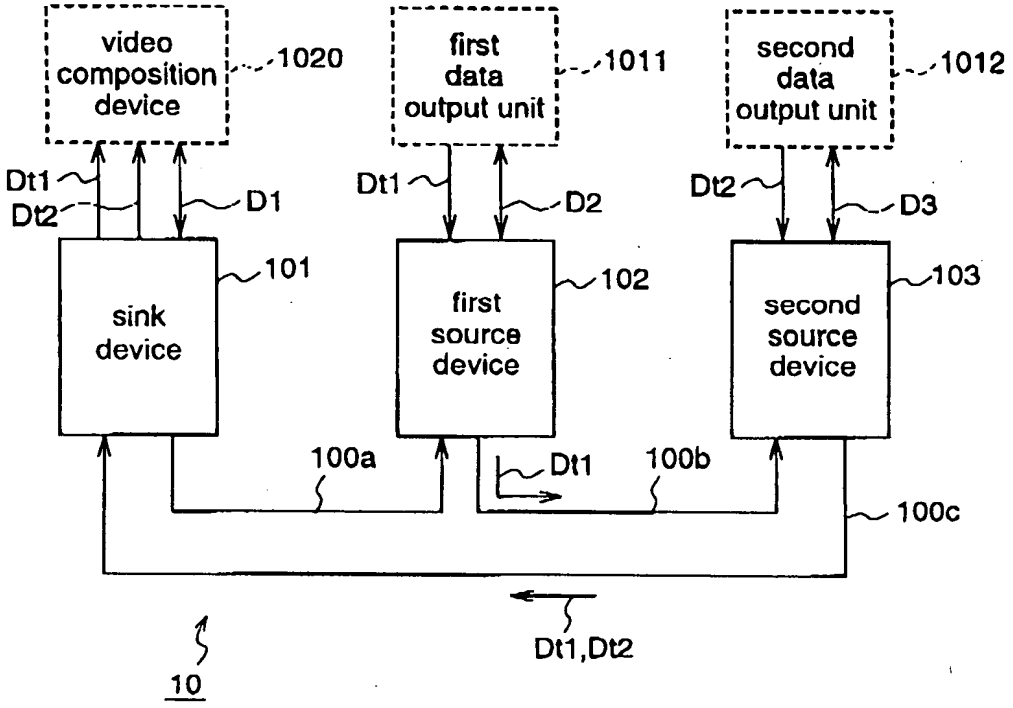

video composition device
1020
first data output unit
1011
second data output unit
1012
Dt1
Dt2
D1
Dt1
D2
Dt2
D3
sink device
101
first source device
102
second source device
103
100a
Dt1
100b
100c
Dt1,Dt2
10

Fig.2 (a)

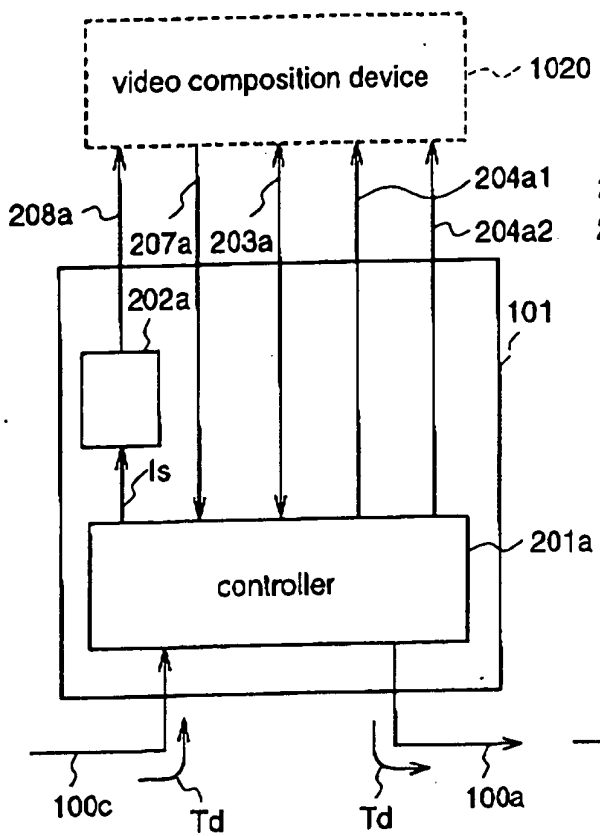


Fig.2 (b)

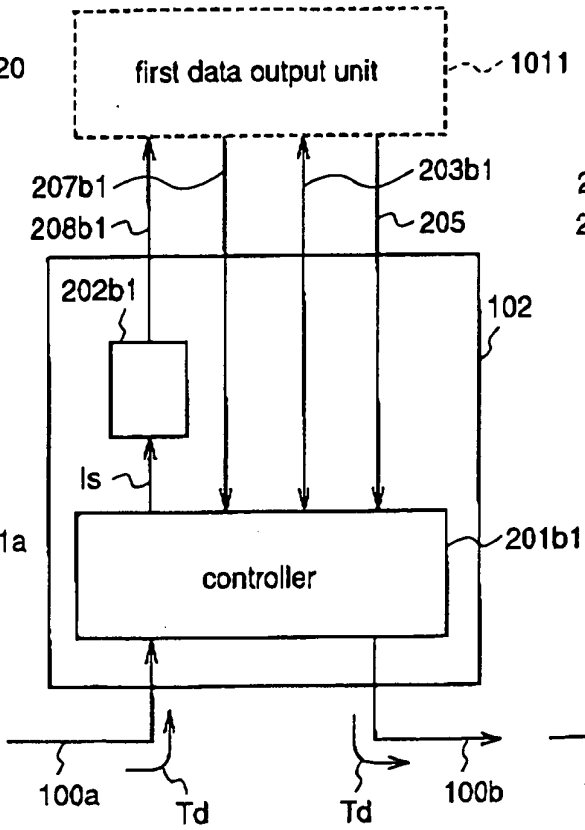


Fig.2 (c)

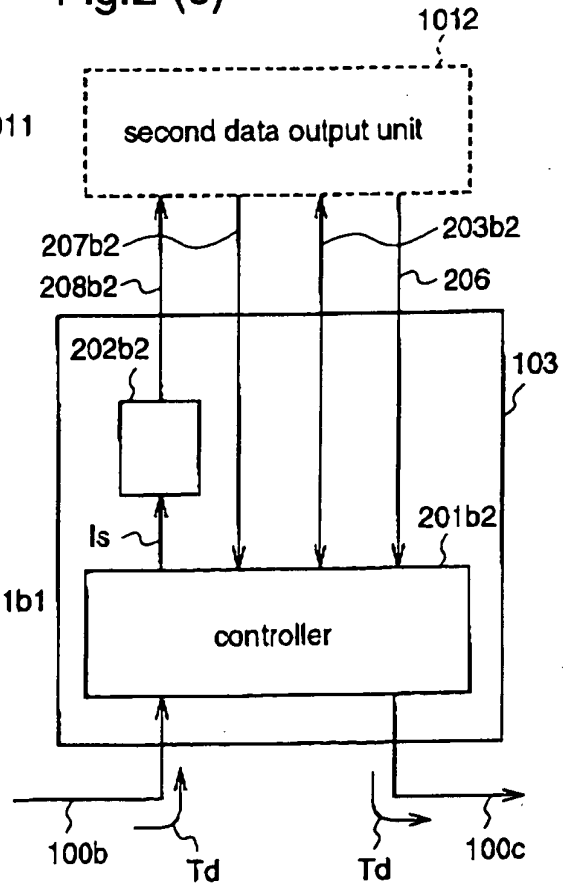


Fig.3

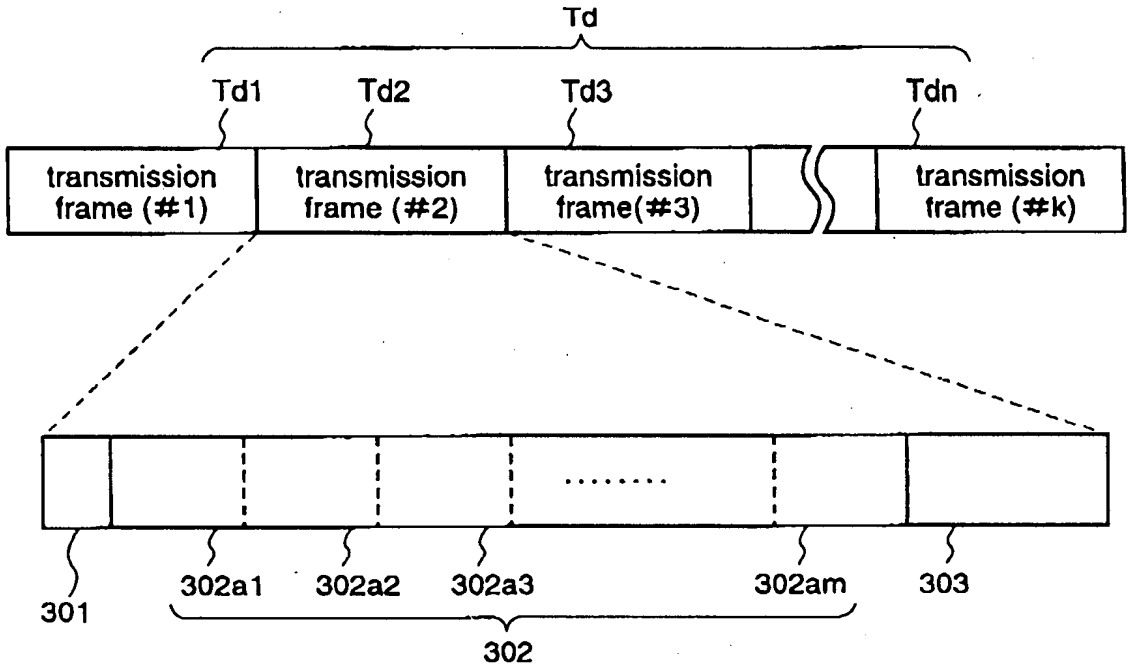

Td
Td1
Td2
Td3
Tdn
transmission frame (#1)
transmission frame (#2)
transmission frame(#3)
transmission frame (#k)
.....
301
302a1
302a2
302a3
302am
303
302

Fig.4 (a)

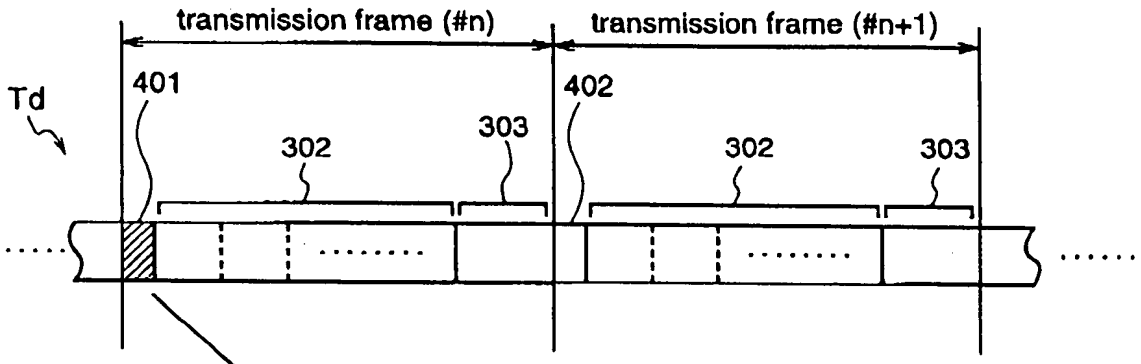


Fig.4 (b)

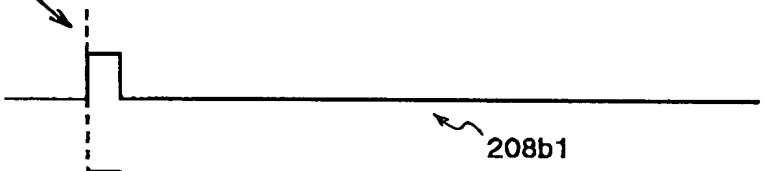
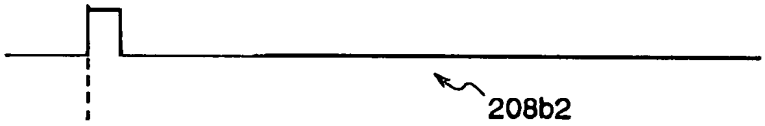


Fig.4 (c)



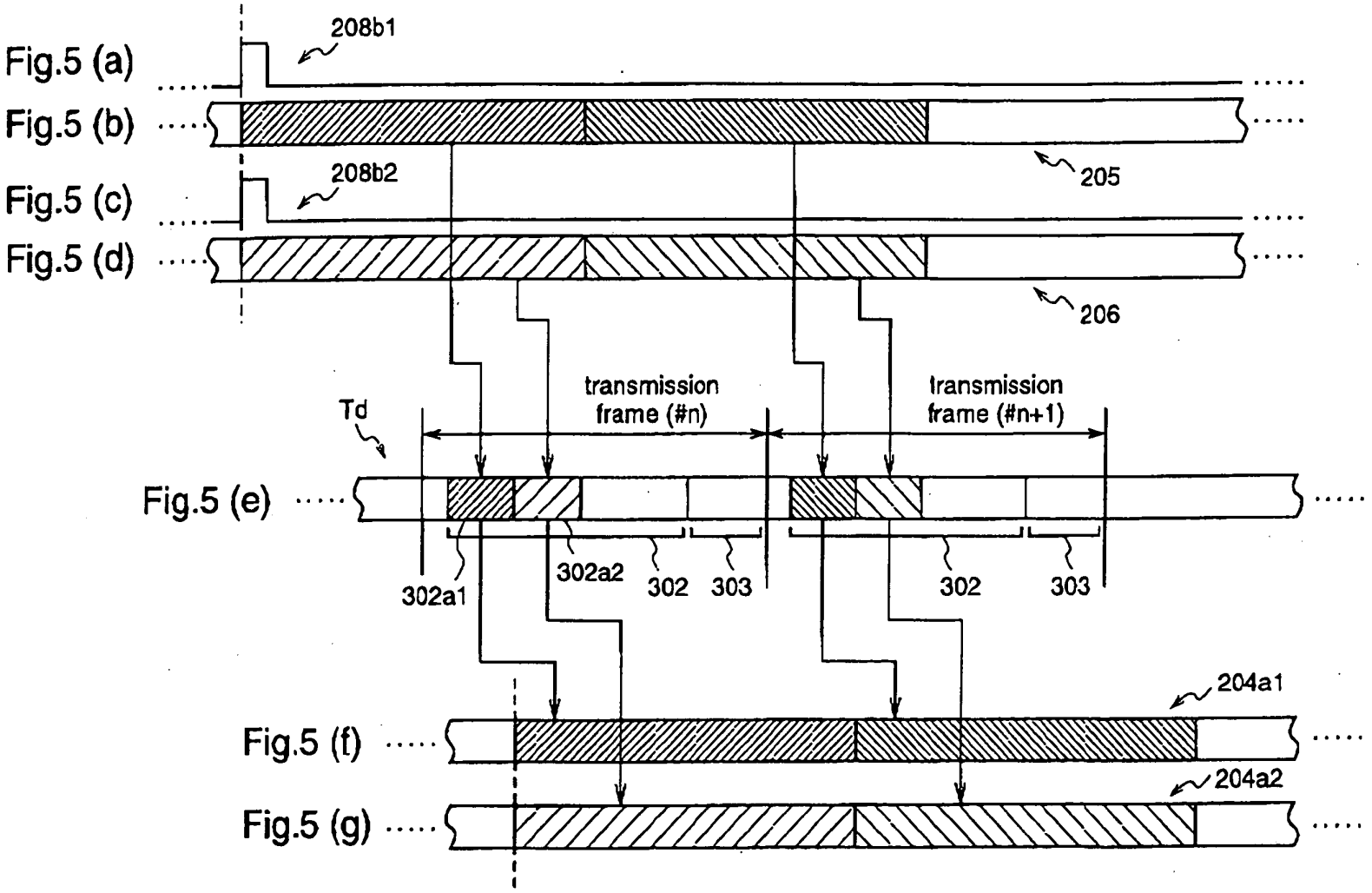


Fig.5 (a)
208b1
Fig.5 (b)
205
Fig.5 (c)
208b2
Fig.5 (d)
206
Td
transmission frame (#n)
transmission frame (#n+1)
Fig.5 (e)
302a1
302a2
302
303
302
303
204a1
Fig.5 (f)
204a2
Fig.5 (g)

Fig.6 (a)

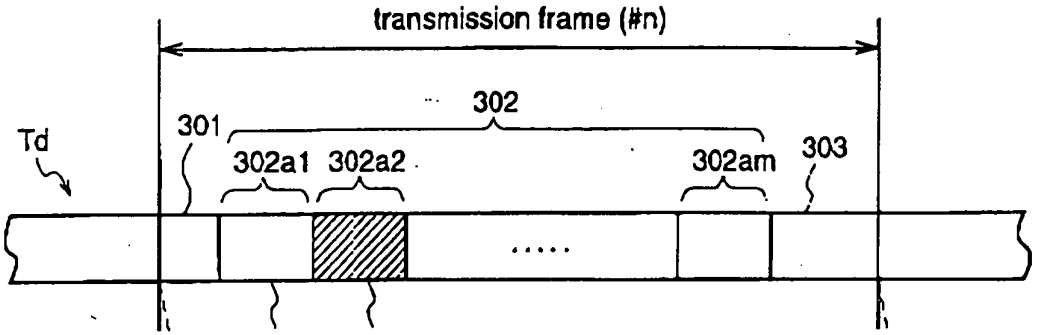


Fig.6 (b)

Fig.6 (c)

Fig.7

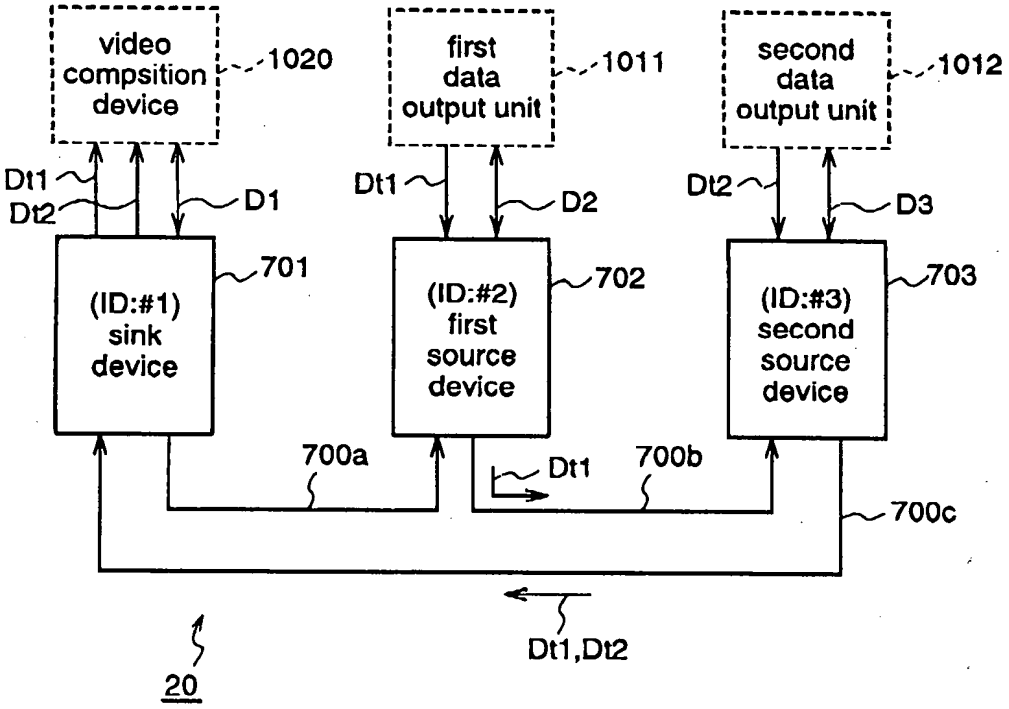

video compsition device
1020
first data output unit
1011
second data output unit
1012
Dt1
Dt2
D1
Dt1
D2
Dt2
D3
(ID:#1) sink device
701
(ID:#2) first source device
702
(ID:#3) second source device
703
700a
Dt1
700b
700c
Dt1,Dt2
20

Fig.8 (a)

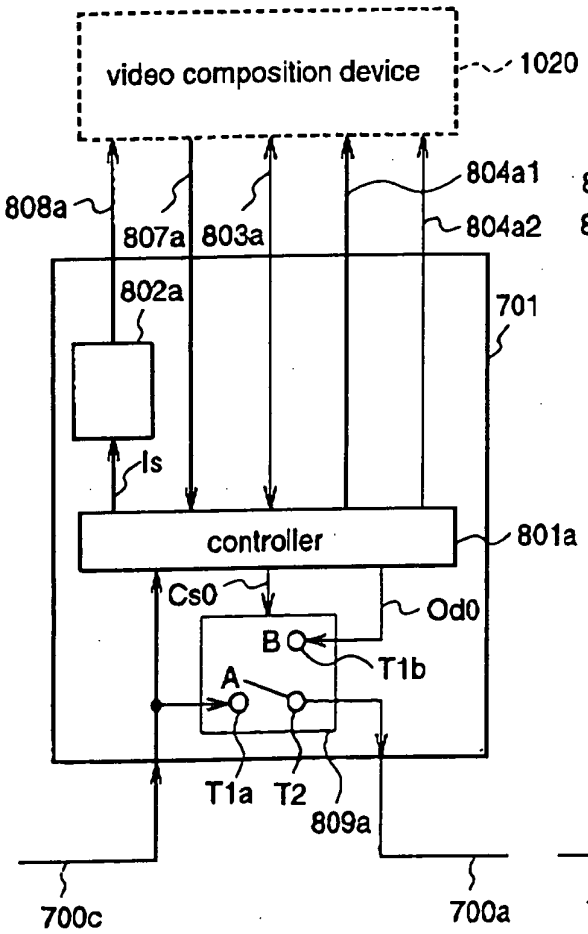


Fig.8 (b)

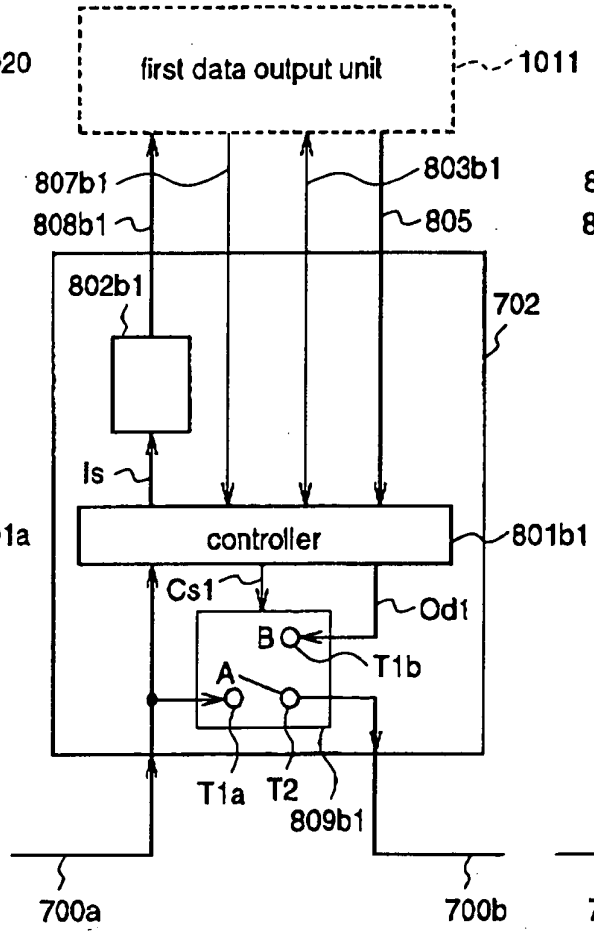
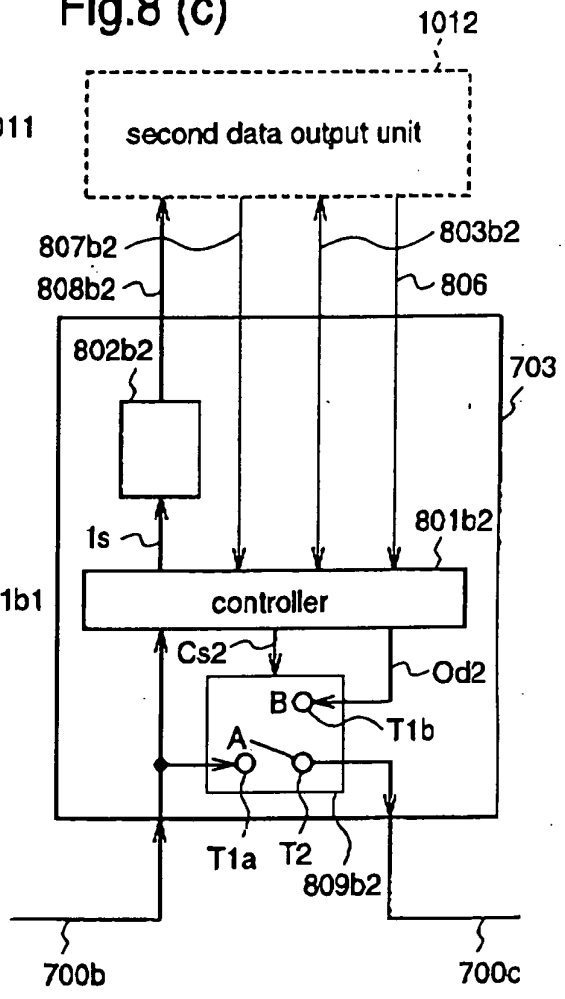


Fig.8 (c)



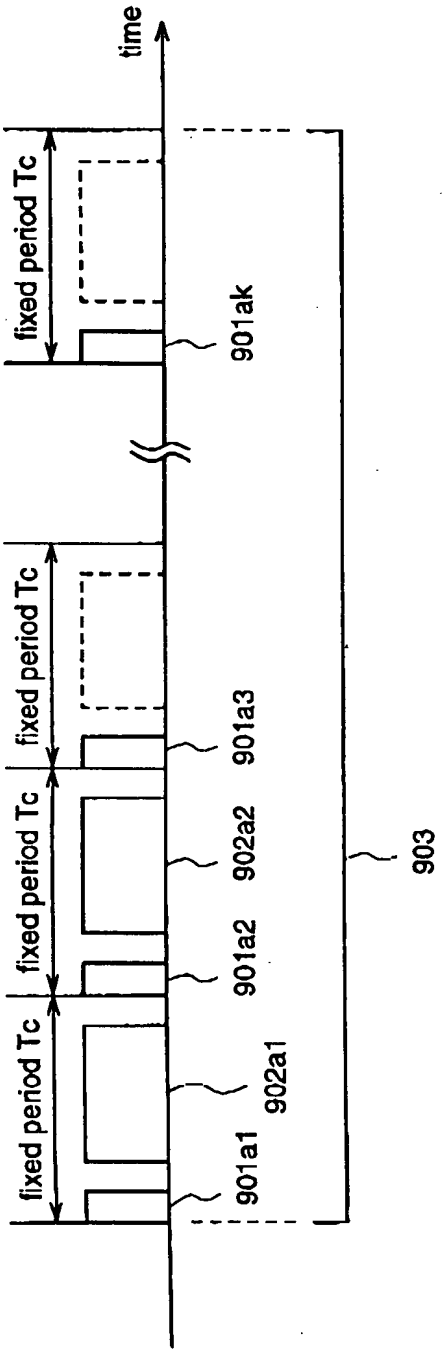

time
fixed period Tc
fixed period Tc
fixed period Tc
fixed period Tc
901ak
901a3
902a2
901a2
902a1
901a1
903

Fig.9

Fig.10 (a)

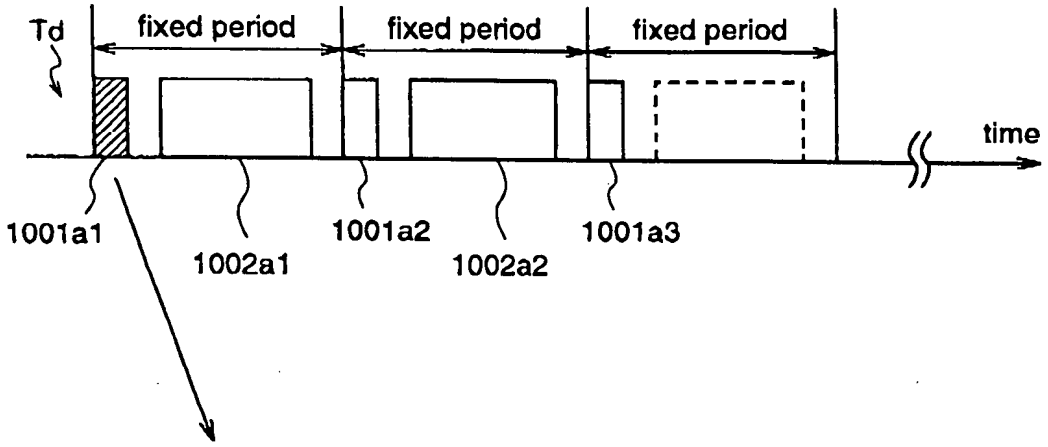


Fig.10 (b)

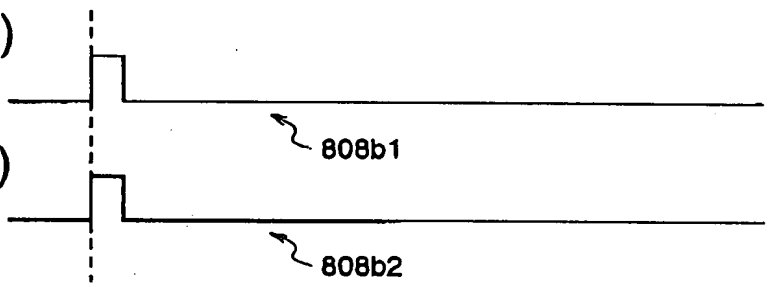


Fig.10 (c)

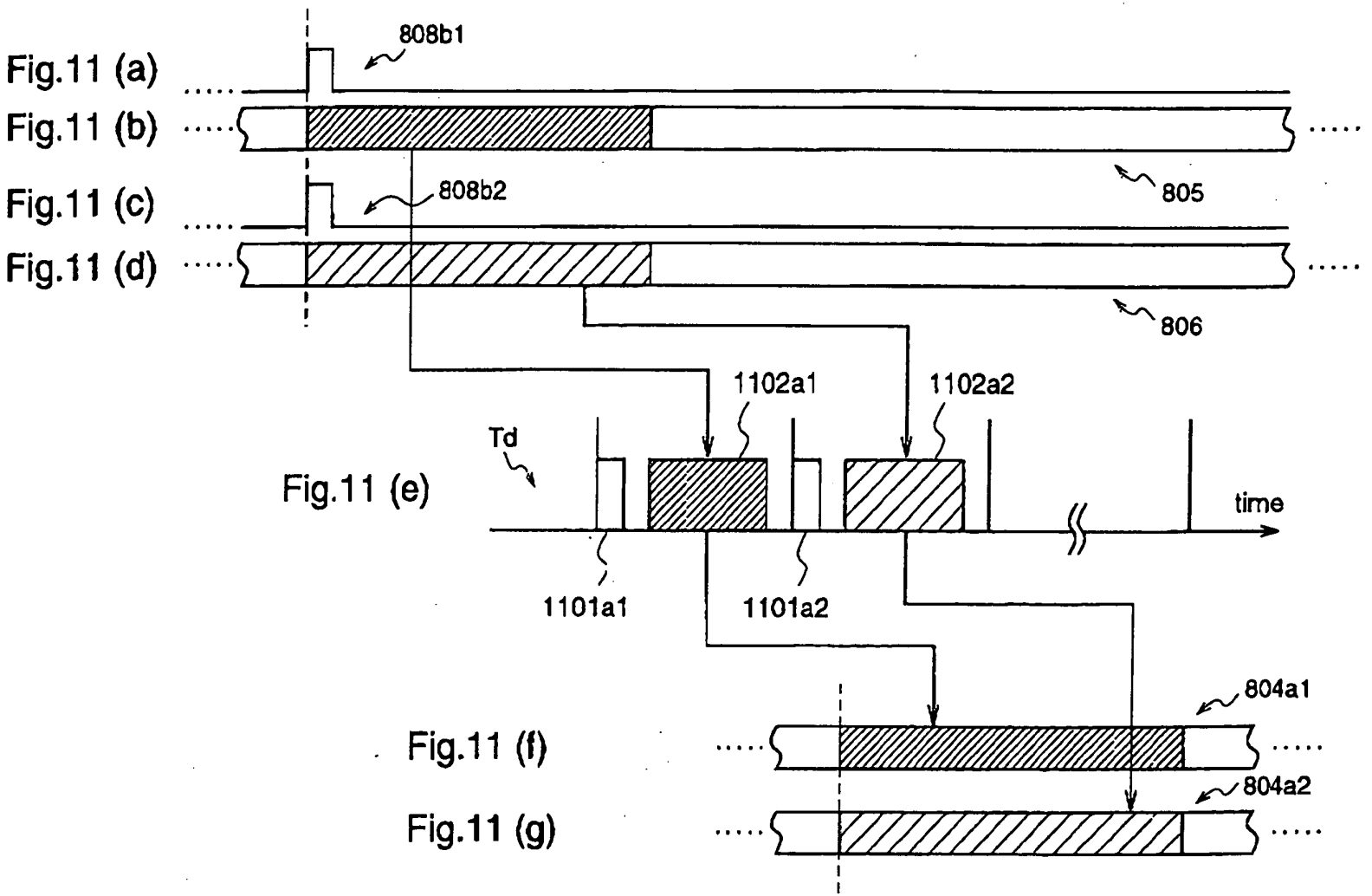


Fig.11 (a)
Fig.11 (b)
Fig.11 (c)
Fig.11 (d)
Fig.11 (e)
Fig.11 (f)
Fig.11 (g)
808b1
808b2
805
806
1102a1
1102a2
Td
time
1101a1
1101a2
804a1
804a2

Fig.12

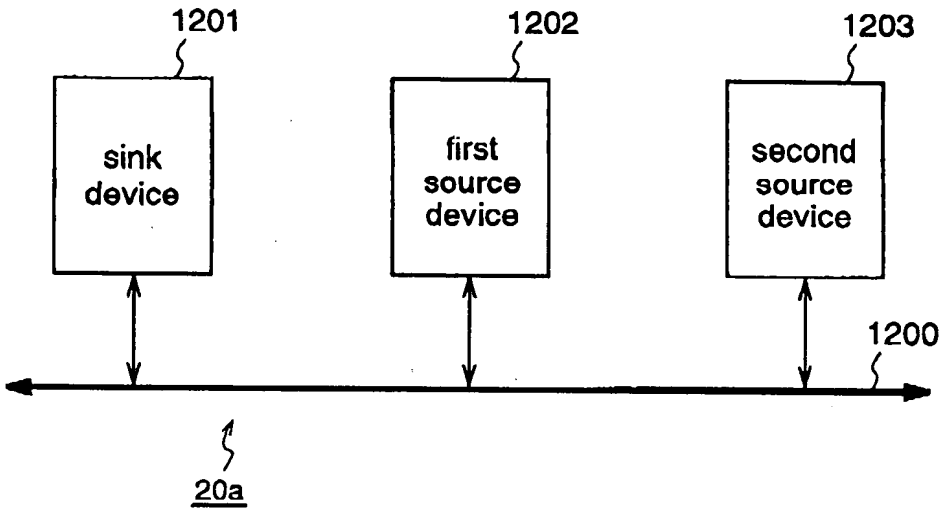

1201
1202
1203
sink device
first source device
second source device
1200
20a

Fig.13

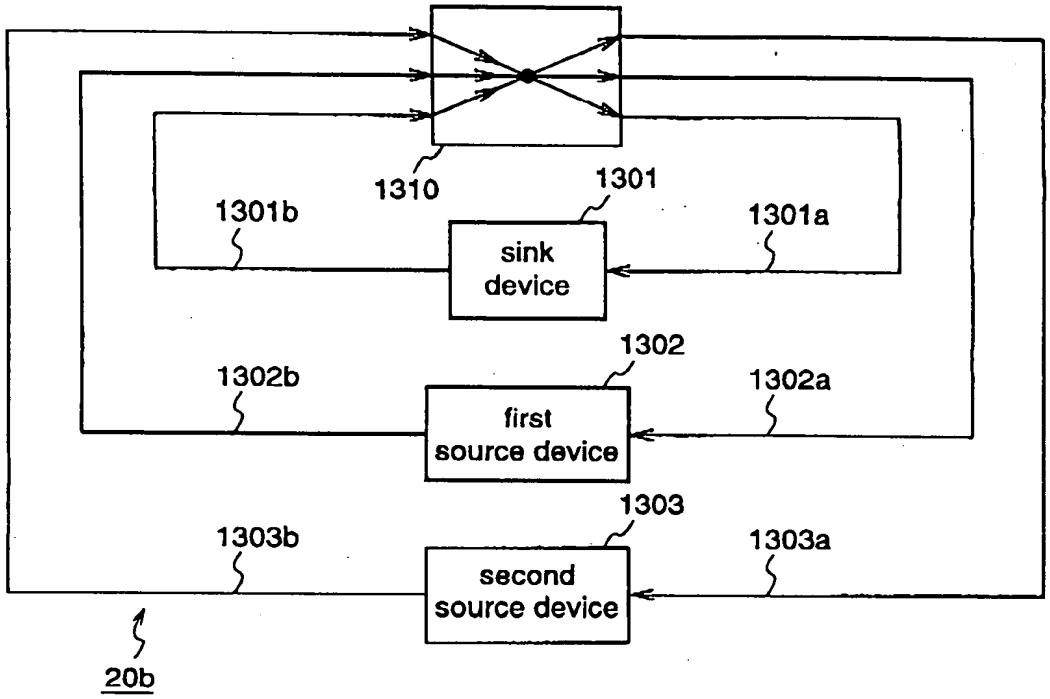

1310
1301
1301b
1301a
sink device
1302
1302b
1302a
first source device
1303
1303b
1303a
second source device
20b

Fig.14

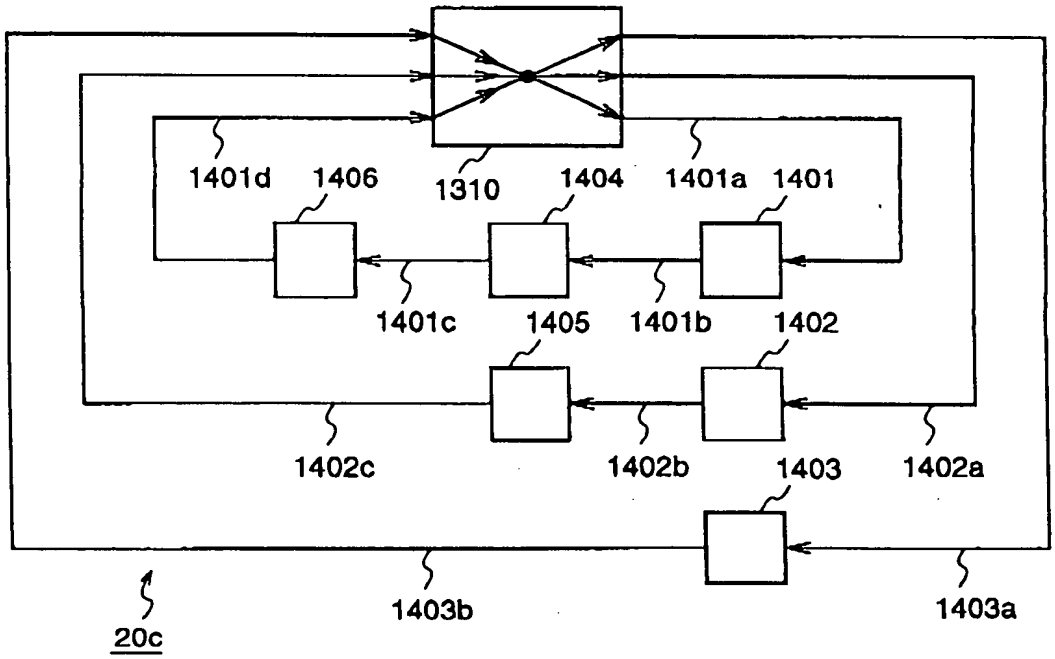

1401d
1406
1310
1404
1401a
1401
1401c
1405
1401b
1402
1402c
1402b
1403
1402a
1403b
1403a
20c

Fig.15

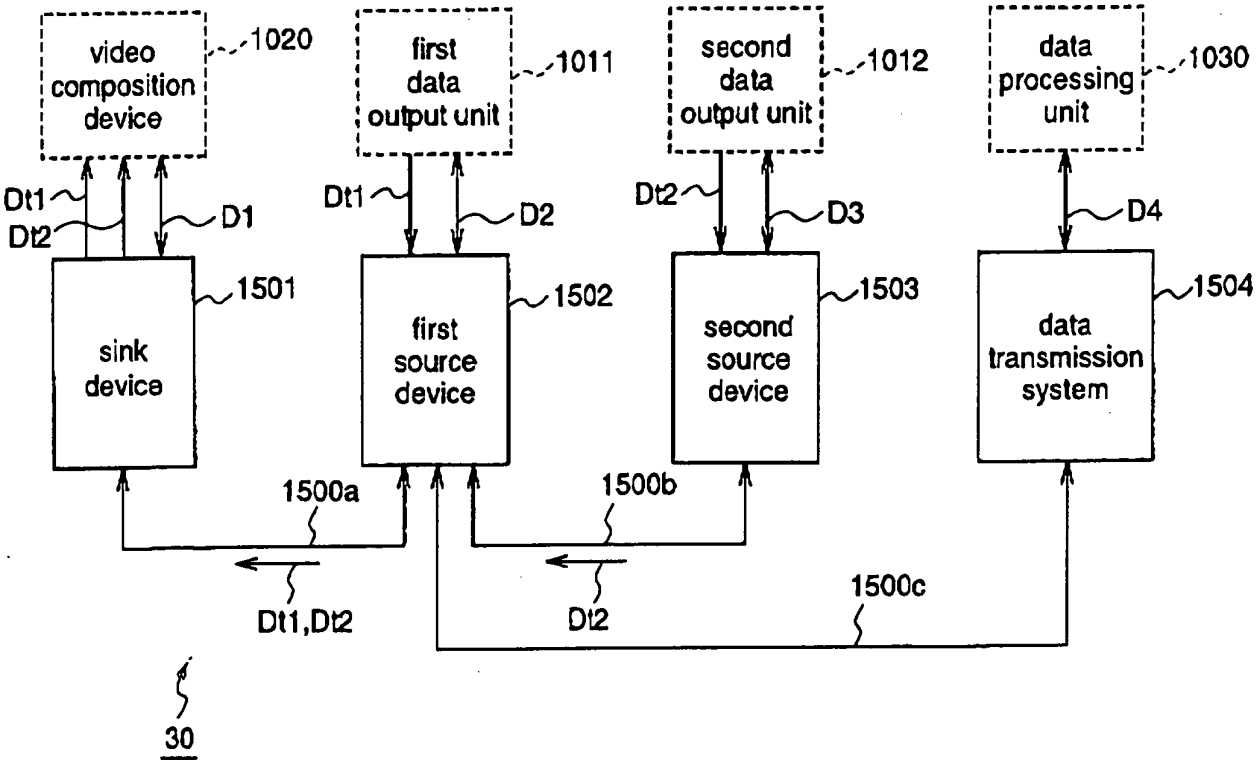

video composition device
1020
first data output unit
1011
second data output unit
1012
data processing unit
1030
Dt1
Dt2
D1
Dt1
D2
Dt2
D3
D4
sink device
1501
first source device
1502
second source device
1503
data transmission system
1504
1500a
1500b
Dt1,Dt2
Dt2
1500c
30

Fig.16 (a)

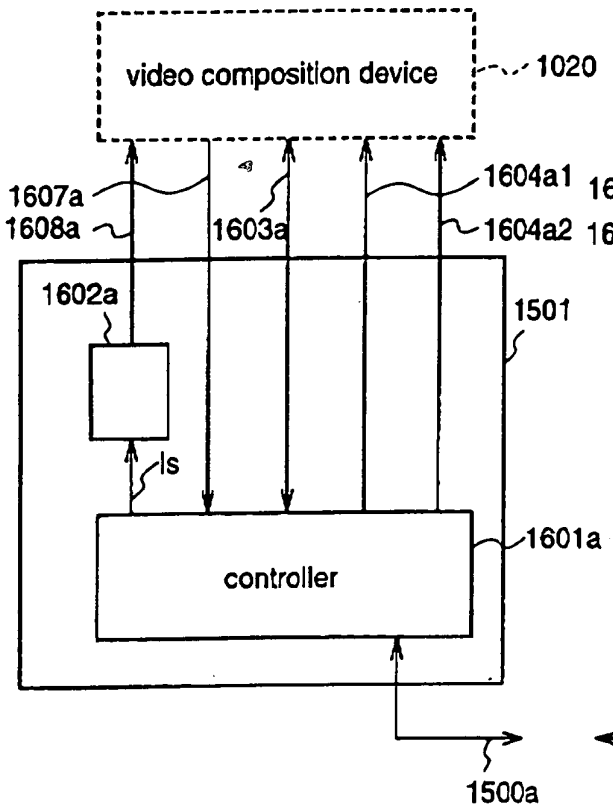


Fig.16 (b)

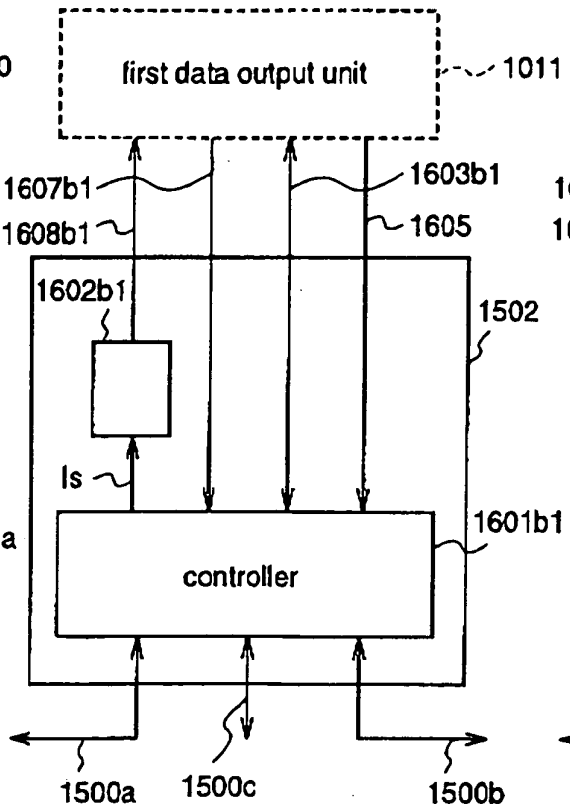


Fig.16 (c)

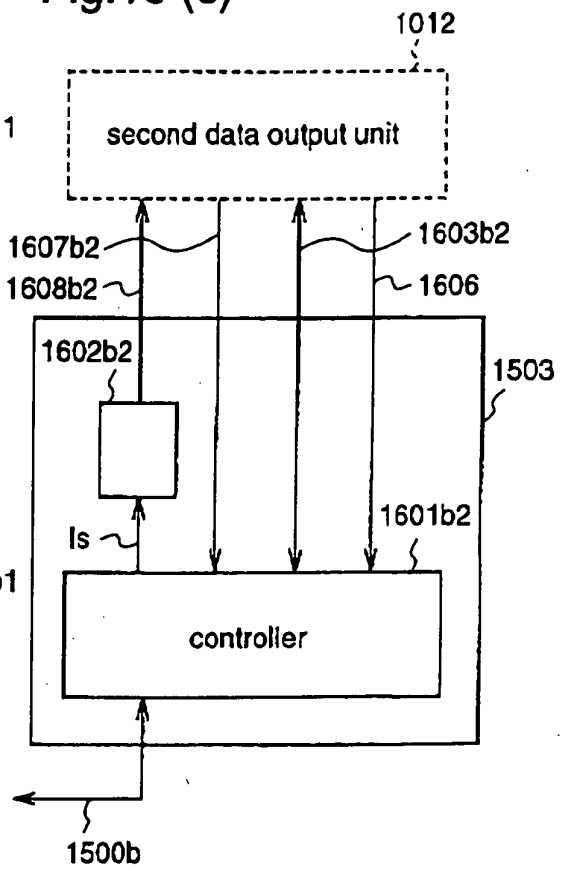


Fig.17

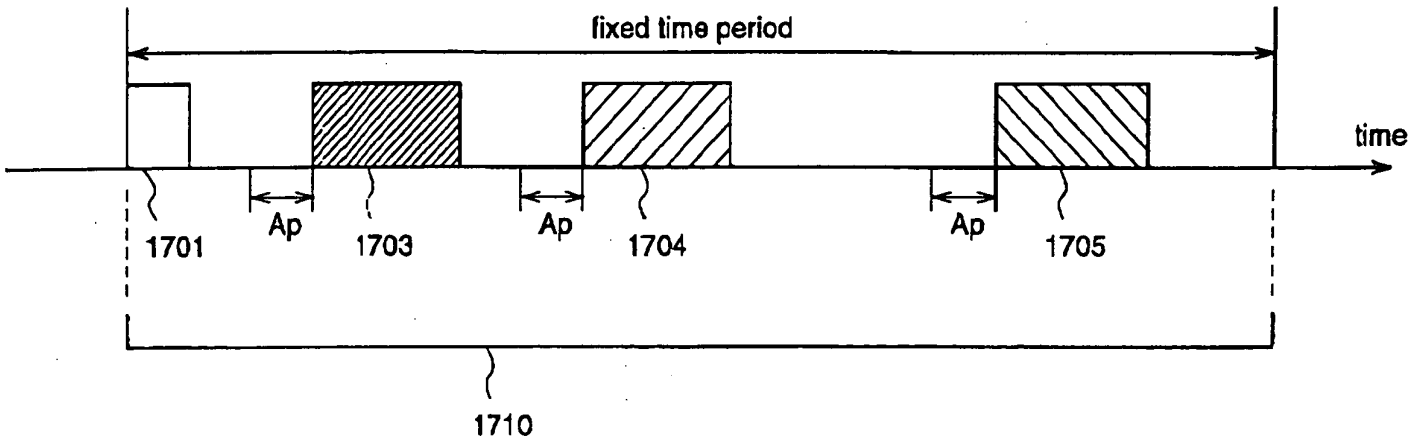


Fig.18 (a)

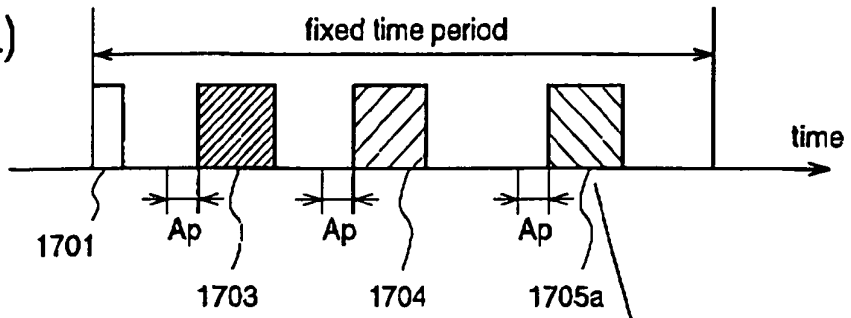


Fig.18 (b)

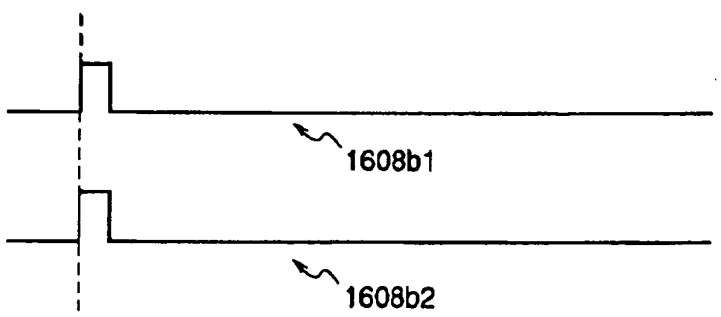


Fig.18 (c)

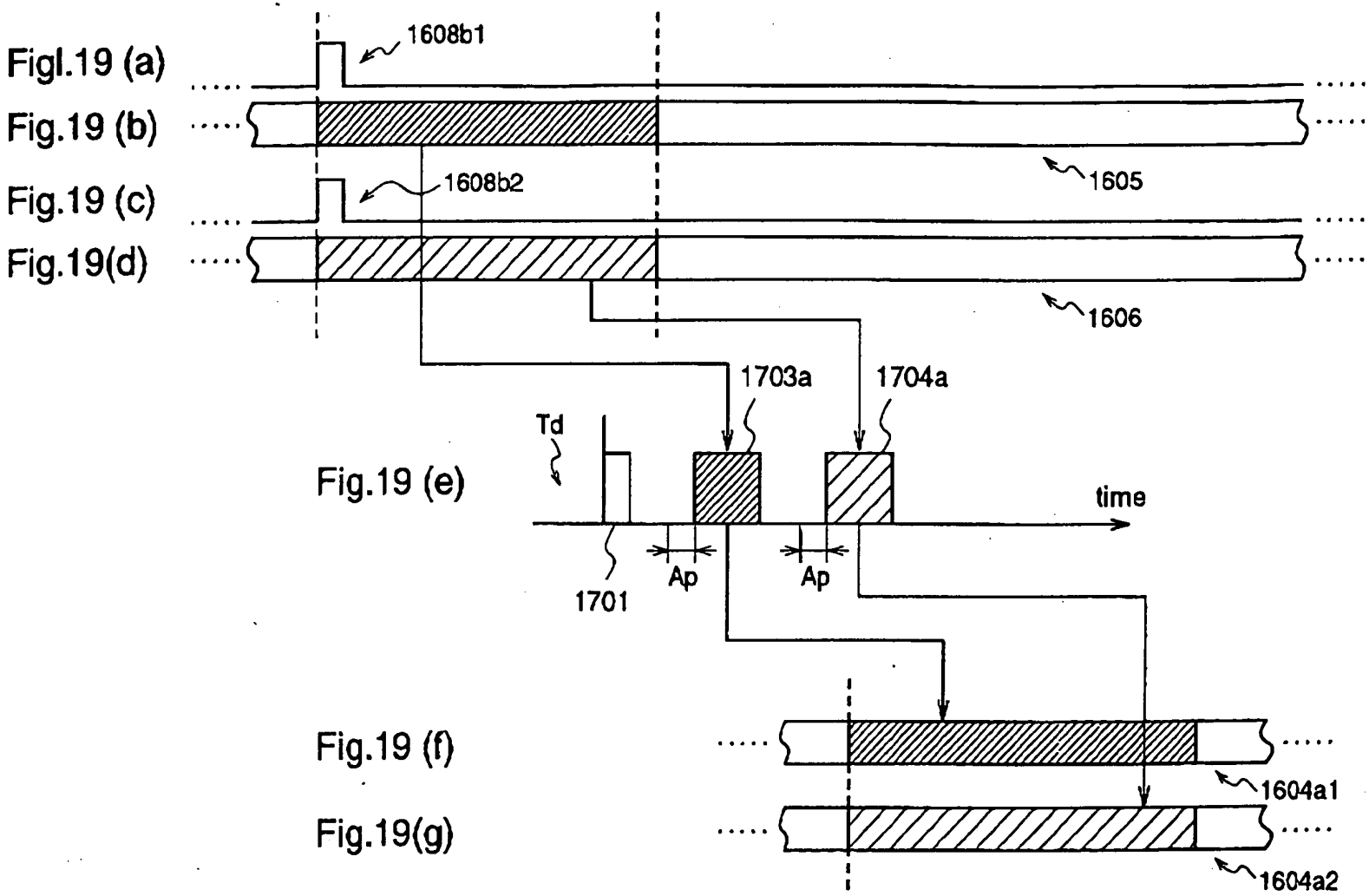
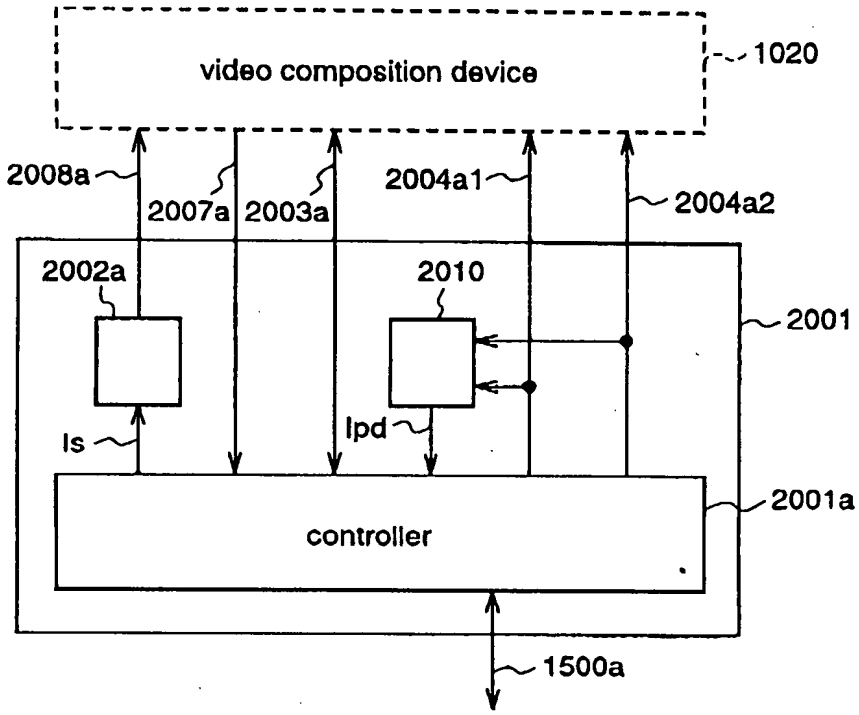

Figl.19 (a)
Fig.19 (b)
Fig.19 (c)
Fig.19(d)
Fig.19 (e)
Fig.19 (f)
Fig.19(g)
1608b1
1608b2
1605
1606
1703a
1704a
Td
time
1701
Ap
Ap
1604a1
1604a2

Fig.20


video composition device
1020
2008a
2007a
2003a
2004a1
2004a2
2002a
2010
2001
Is
Ipd
controller
2001a
1500a

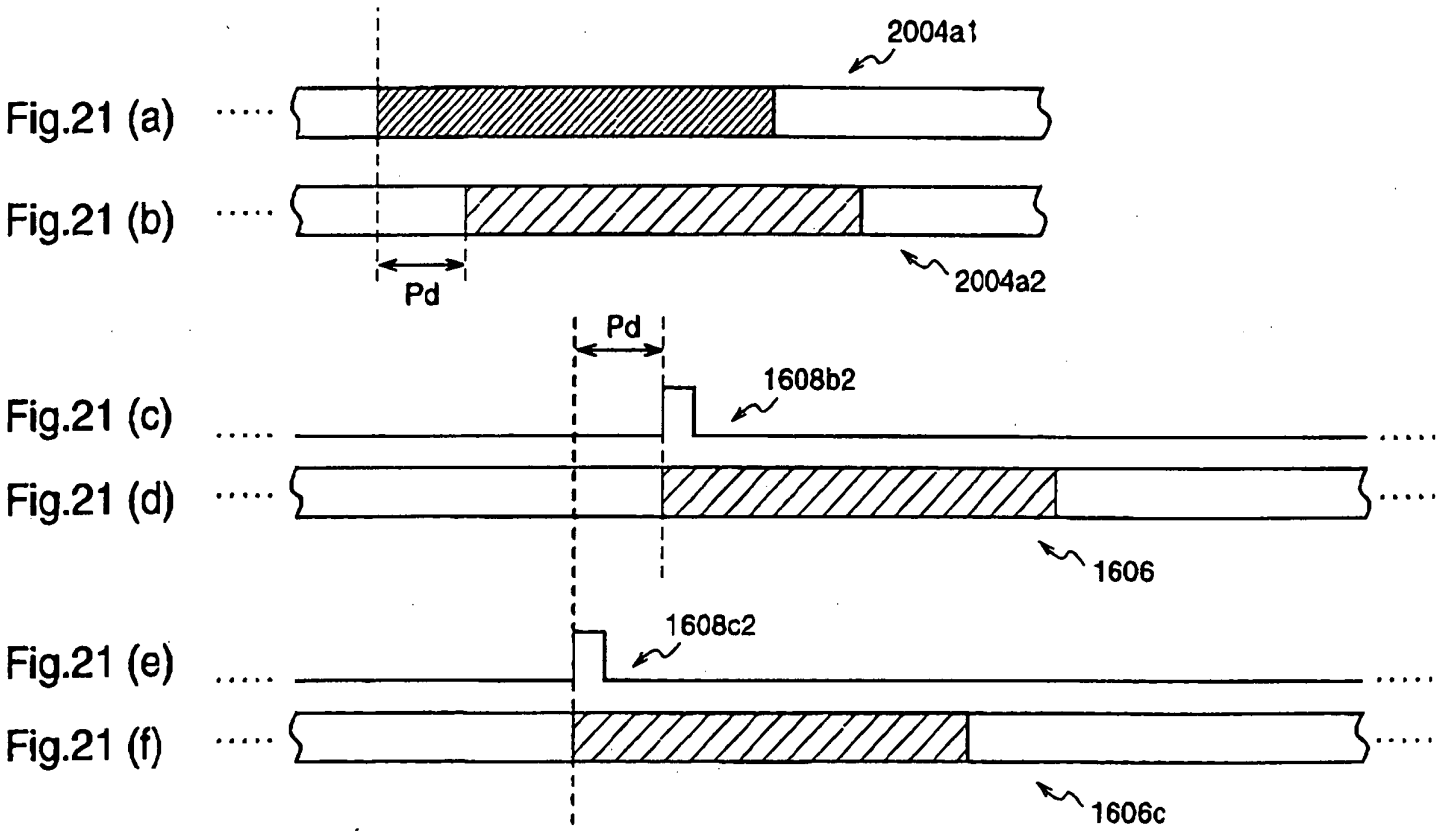


Fig.21 (a)
2004a1
Fig.21 (b)
Pd
2004a2
Pd
Fig.21 (c)
1608b2
Fig.21 (d)
1606
Fig.21 (e)
1608c2
Fig.21 (f)
1606c

Fig.22

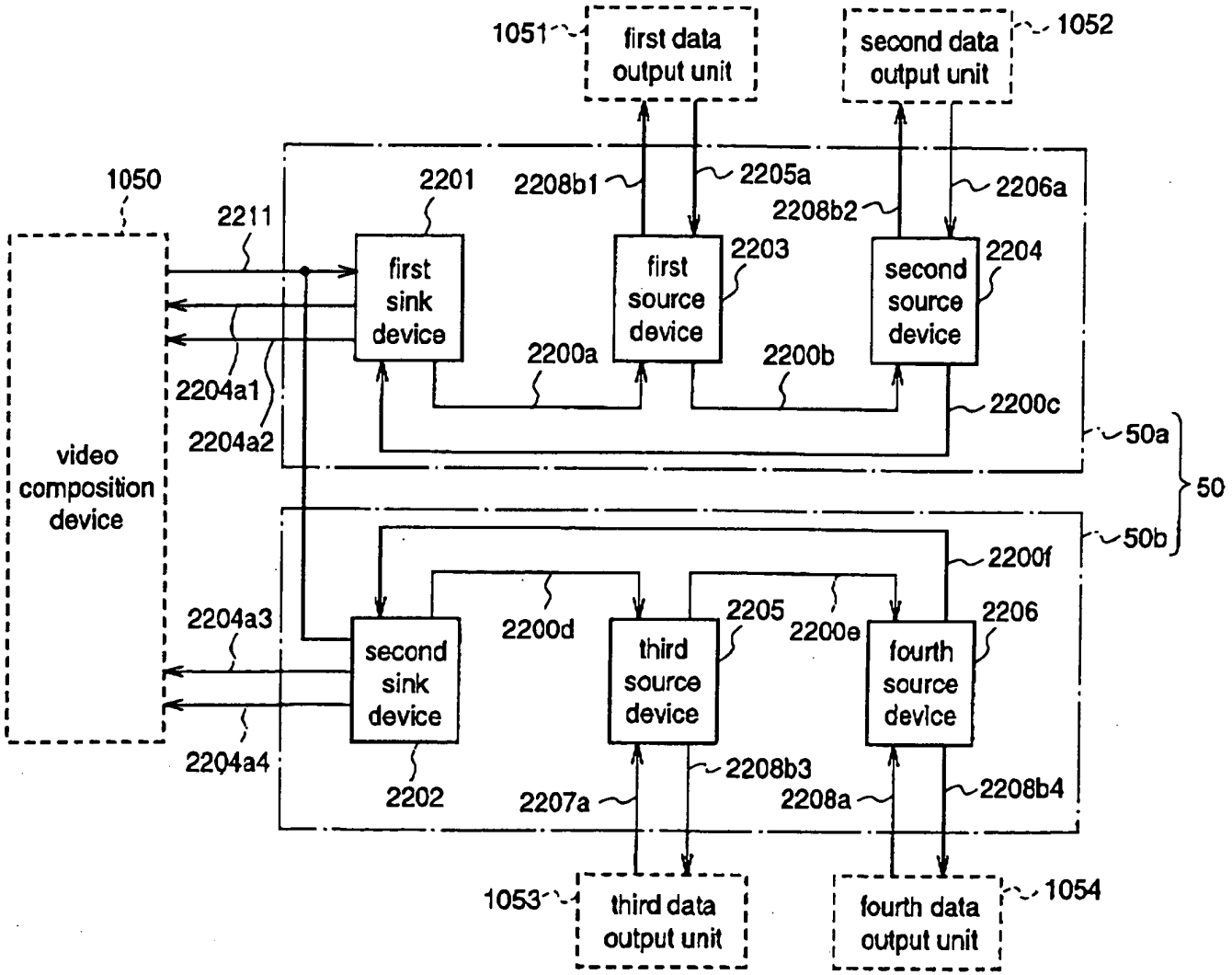

1051
first data output unit
second data output unit
1052
1050
2201
2208b1
2205a
2206a
2208b2
2211
first sink device
first source device
2203
second source device
2204
2200a
2200b
2204a1
2204a2
2200c
video composition device
50a
50
50b
2200f
2204a3
2200d
2205
2200e
2206
second sink device
third source device
fourth source device
2204a4
2208b3
2202
2207a
2208a
2208b4
1053
third data output unit
fourth data output unit
1054

Fig.23

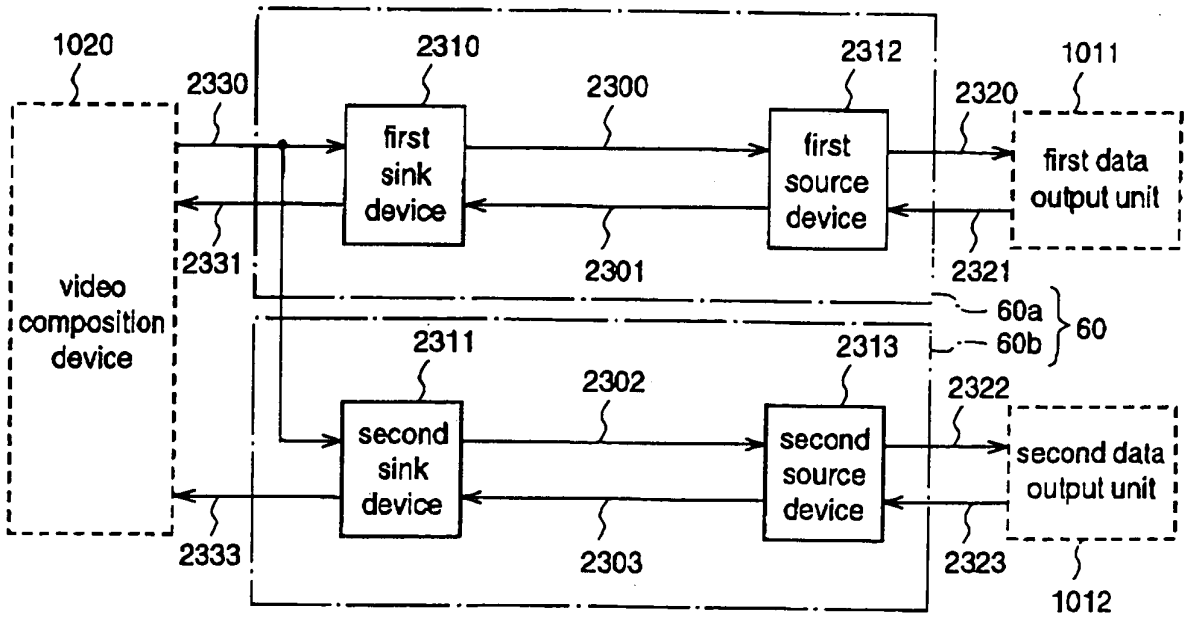

1020
2330
2310
2300
2312
2320
1011
first sink device
first source device
first data output unit
video composition device
2331
2301
2321
60a
60b
60
2311
2313
2302
2322
second sink device
second source device
second data output unit
2333
2303
2323
1012

Fig.24 (a)

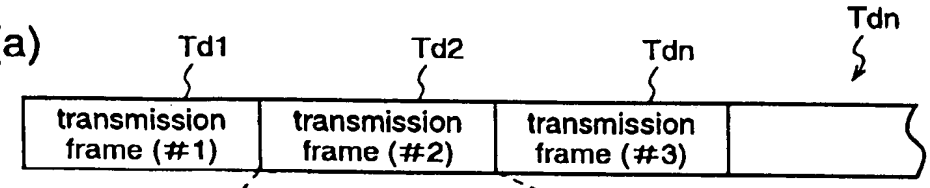


Fig.24 (b)

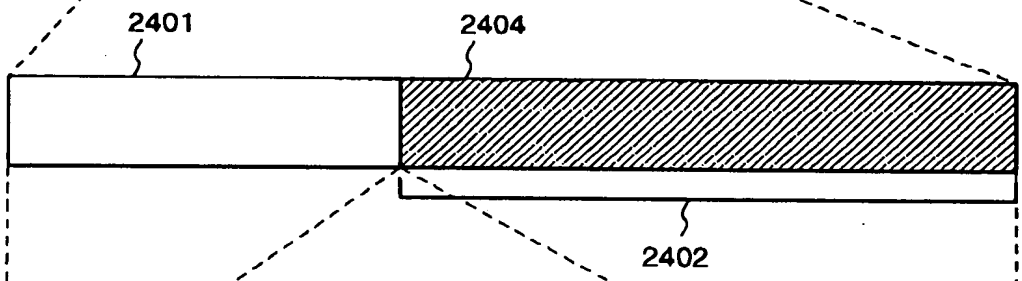


Fig.24 (c)

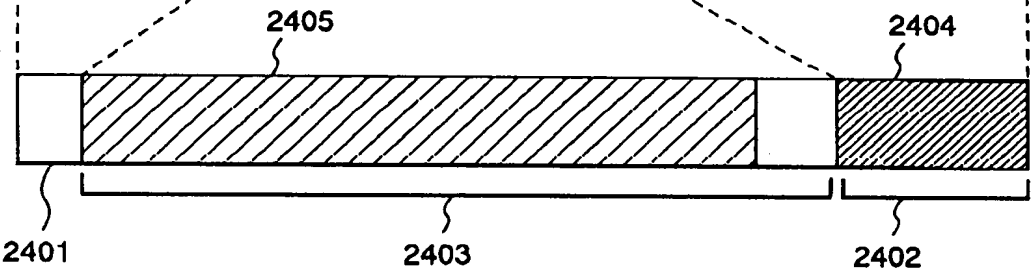


Fig.25

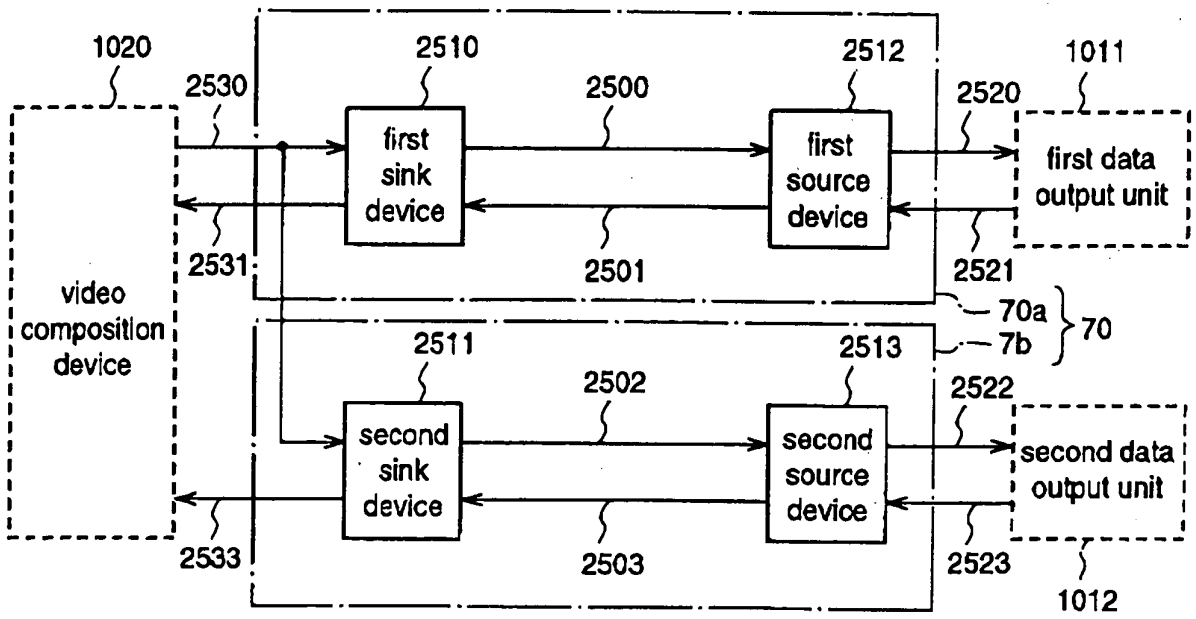

1020
2530
2510
2500
2512
1011
2520
first sink device
first source device
first data output unit
2531
2501
2521
video composition device
70a
7b
70
2511
2513
2502
2522
second sink device
second source device
second data output unit
2533
2503
2523
1012

Fig.26 (a)

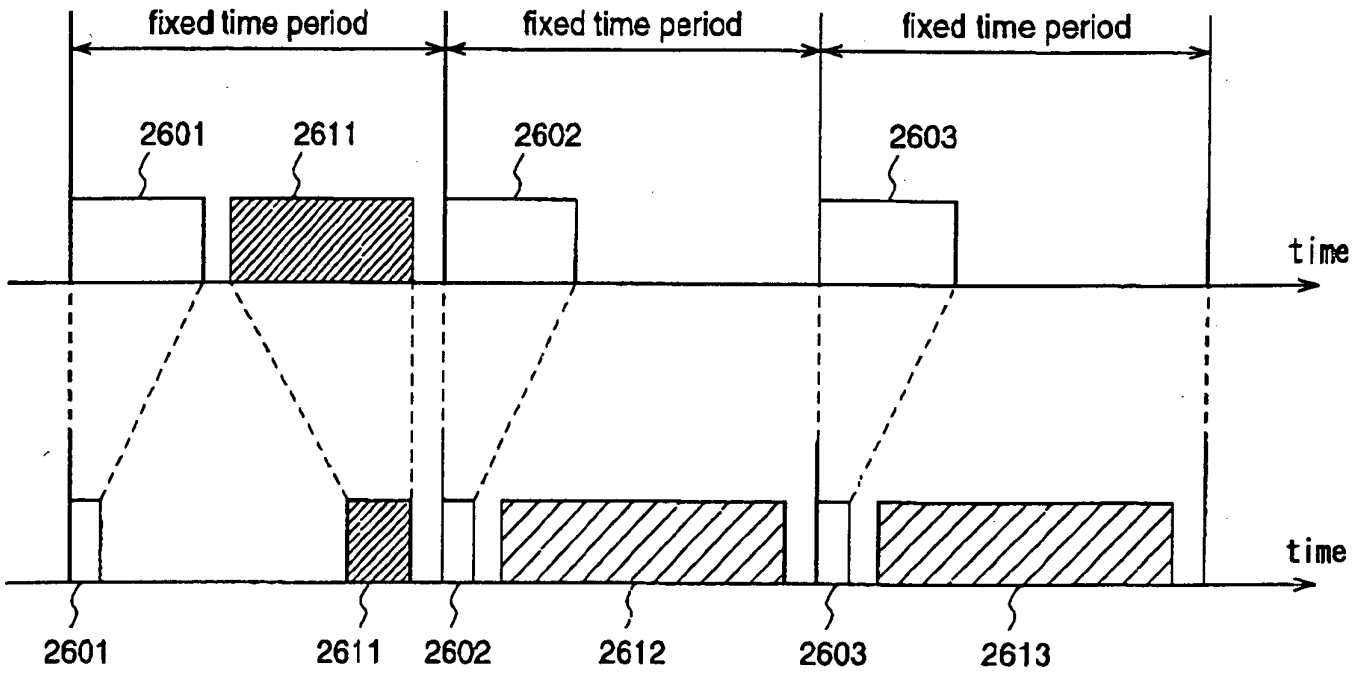


Fig.26 (b)

Fig.27 (a)

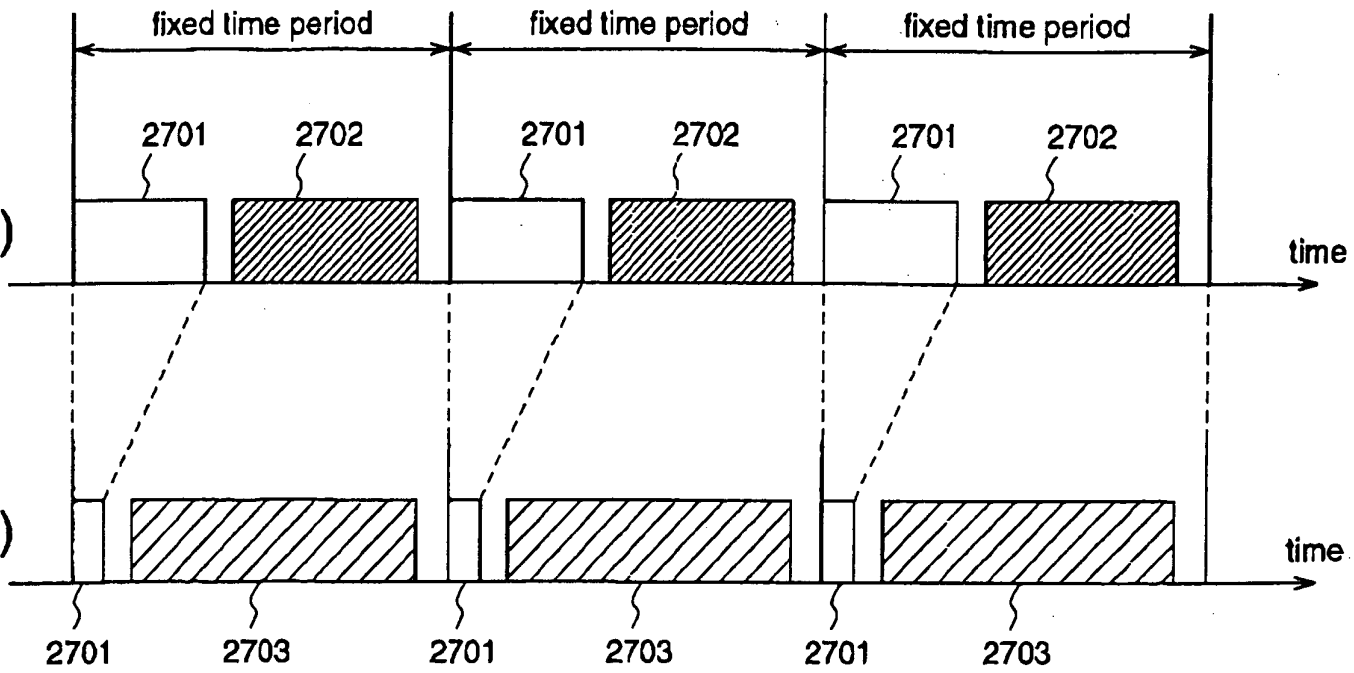


Fig.27 (b)

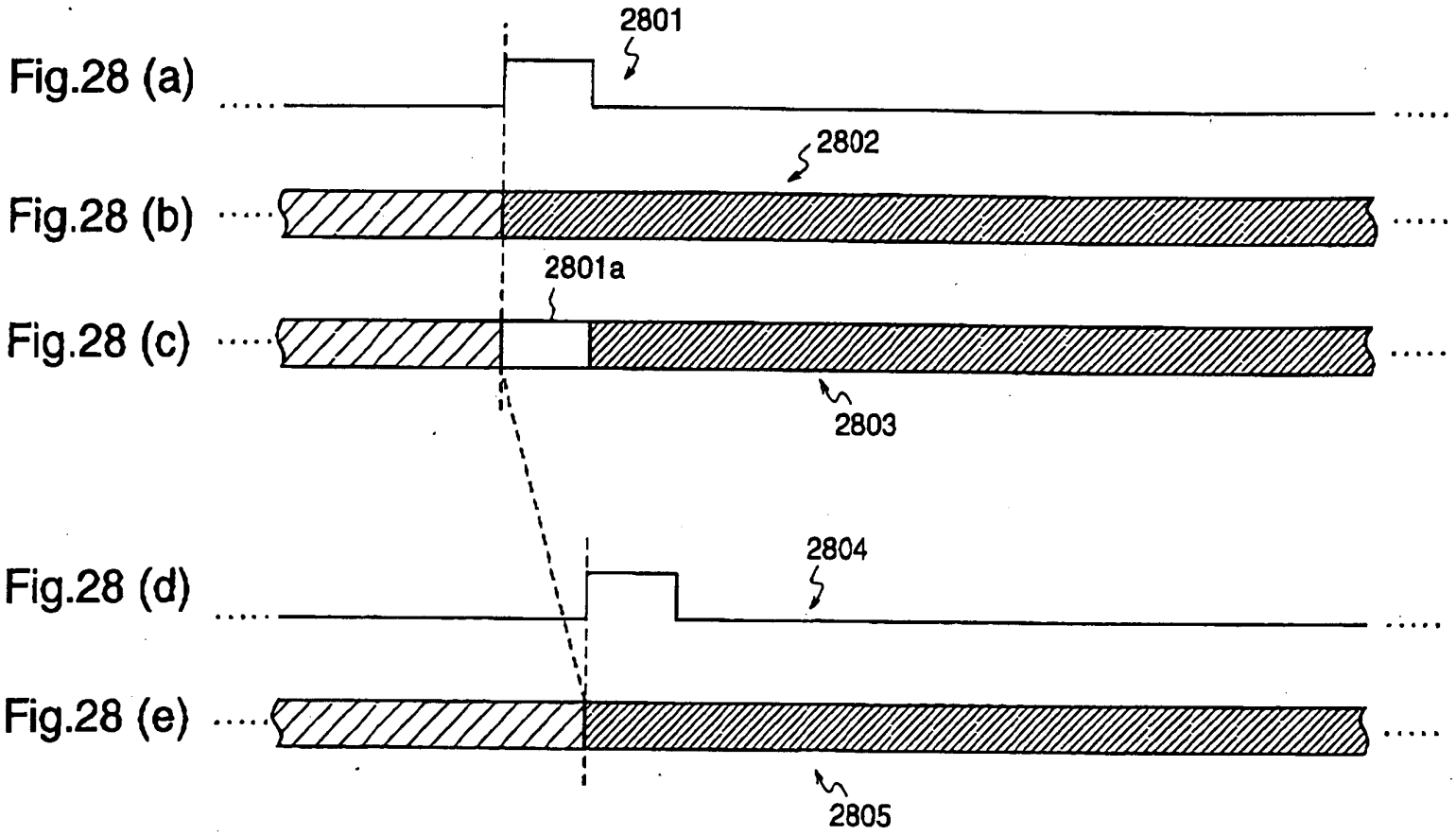


Fig.28 (a)
2801
Fig.28 (b)
2802
Fig.28 (c)
2801a
2803
Fig.28 (d)
2804
Fig.28 (e)
2805

Fig.29 (a)

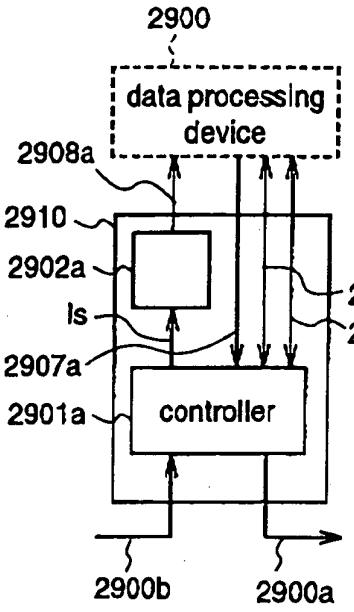


Fig.29 (b)

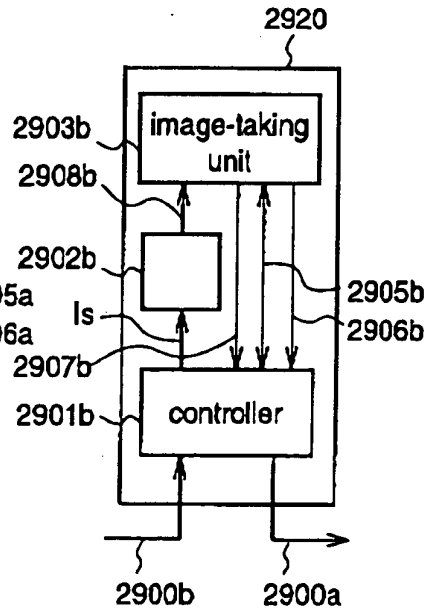


Fig.29 (c)

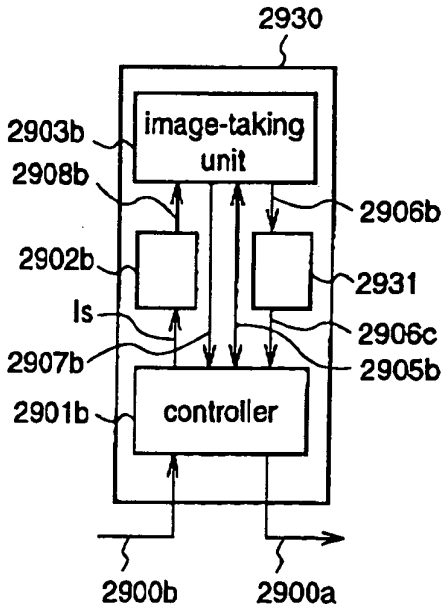


Fig.30 Prior Art